WHAT IS CLAIMED IS:

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- 1. A sewing machine comprising:
- a head portion having a sewing needle driven to vertically reciprocate;
- a lower shaft having a shuttle connected thereto which is driven to rotate synchronized with the vertical movement of the sewing needle cooperating to form stitches;
 - a table positioned above the lower shaft;
 - a retainer positioned above the table to retain a material for forming stitches thereon;
- a holding frame placed parallel to the table, the head portion being mounted at a position on the holding frame; and
 - supporting posts adapted to support opposite ends of the holding frame for positioning the holding frame above the table.
- 2. The sewing machine as claimed in claim 1, further comprising:
 - an X-axis feeding means installed above the table to move the retainer in a leftward and rightward direction along an X-axis; and
 - a Y-axis feeding means installed below the table to move the X-axis feeding means in a forward and backward directions along the Y-axis direction.
 - 3. The sewing machine as claimed in claim 2, wherein the X-axis feeding means comprises:
 - an X-axis frame elongated in the leftward and rightward direction;
 - a guide rail installed or formed in the X-axis frame;
- a holding portion coupled with the guide rail to move in the leftward and rightward

direction while holding the retainer; and

an X-axis driving motor for moving the holding portion.

- 4. The sewing machine as claimed in claim 2, wherein the Y-axis feeding means 5 comprises:
 - a moving portion for moving the X-axis feeding means in the forward or backward direction; and
 - a Y-axis driving motor for moving the moving portion.
- 5. The sewing machine as claimed in claim 4, wherein the moving portion comprises a belt moved by the Y-axis driving motor.
 - 6. The sewing machine as claimed in claim 1, further comprising:
- an arm lifting device coupled to the holding frame together with the head portion for moving the head portion upward or downward.
 - 7. The sewing machine as claimed in claim 6, wherein the arm lifting device comprises:
 - a guide plate held on the holding frame; and

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- a feeder held on the head portion, the feeder being adapted to move upward and downward in accordance with the guide plate.
 - 8. The sewing machine as claimed in claim 6, wherein the arm lifting device is moved upward and downward using either hydraulic pressure or pneumatic pressure.
 - 9. The sewing machine as claimed in claim 1, further comprising:

an upper axis driving motor connected to an upper shaft for driving the sewing needle of the head portion to vertically reciprocate; and

a lower axis driving motor connected to the lower shaft for driving the shuttle to rotate.